

From boatanchors@sco.theporch.com Tue Mar 11 20:58:02 1997
From: "Robert S. Ross" <radiorob@serix.com>
Subject: 1936 Jones Radio Handbook.....
Message-ID: <199703111740.RAA18709@cm.serix.com>

For sale: 1936 Jones Radio Handbook, first Edition.
Cover is solid, clean and has minor wear around edges.
Inside pages are excellent.
Best offer by midnight, Friday March 14th.
Buyer pays postage.

Replies to david.noon@odyssey.on.ca Dave VA3DN

Robert S. Ross VA3SW
London, Ontario, CANADA

Radio DX'er
Antique Radio Enthusiast

Wayward home for Hot Tubes....Heavy Radios...and Chrome Microphones!!!

From boatanchors@sco.theporch.com Tue Mar 11 20:58:02 1997
From: JOHN_SEHRING.parti@ecunet.org
Subject: 6DQ5 SAGA CONTINUES
Message-ID: <9703112139.aa17998@pcusa01.ecunet.org>

According to Bill Orr (ham, radio handbook editor & engineer at Eimac),
6DQ5's deliver *more* power with *less* 3rd-order IMD than a 6146B! See
'Radio Handbook', 21st Ed., pg. 21.13, Fig. 9.

My Hammarlund HX-50A, for all its faults (previously enumerated; I had mine
for 20 years) did *not* eat its 6DQ5 sweep tube final in spite of being
pushed hard.

Drake specs their T-4*'s as having 'average distortion products in excess
of 30 dB down.' This is *not* shoddy performance. It uses 6JB6's. My
three do not eat them.

Collins specs the 32S-3 as having 'third order distortion 30 dB down from
output signal'. It uses 6146A's.

-John Sehring (Tue, Mar 11, 1997 12:46 pm MT @Baker, Montana) UCC WB2EQG

From boatanchors@sco.theporch.com Tue Mar 11 20:58:02 1997
From: Glenn Finerman <GFINER@nms.com>
Subject: re:75S-1 with "WATERS" label ??
Message-ID: <s32570dd.010@nms.com>

Ray, VE3FN wrote;

re>Waters also had a Q-multiplier for the 75S-1. Instead of requiring
>the purchaser to drill a hole in his Collins (as was required of the
>original Q-multiplier for the KWM-2), they provided new AF / RF gain
>controls that were concentric. The hole that was made available by
>combining the 2 gain pots was used for the Q-multiplier.
>Actually, that's what Collins did when producing the 75S-3 -- the
>2 gain controls became concentric and a "rejection tuning" control
>was added where a gain control used to be. But I don't think Collins
>ever produced a radio with the Waters name printed on the front panel!
>BTW, unlike mods made by owners from various construction articles, I
>believe that the Waters mods are acceptable to a Collins purist.

Thanks for jogging my memory! After reading your comments and
thinking back, I do recall seeing a 75S-1 with the 2 gain pots combined
in the former RF gain location (lower left?) and the added "Waters"
label plate in the former AF gain location (top right?). I think the seller
may be mistaken about Waters being printed right on the front panel
with no added plate. I think he's also mistaken about the label just
saying "Waters" I think it reads.."Waters Rejection Tuning".
What's making me think twice about this purchase is the way the
modified receiver looked. (not very pretty) The added label plate sort
of stuck out like a sore thumb. It had an obvious after market look to it.
I really want an original un-modified 75S-1. I already have a 75S-3 and
75S-3B, of course both having rejection tuning as an original feature.
I'll have to decide by this evening if I'm going to buy this Waters 75S-1.

Thanks very much Ray.

73.....Glenn N2BJG gfiner@nms.com

From boatanchors@sco.theporch.com Tue Mar 11 20:58:02 1997
From: dr.electron@juno.com
Subject: RE: APN - 1
Message-ID: <19970311.115337.8518.2.dr.electron@juno.com>

Boaters;

The post re the APN - 1 reminded me of having to make room in the

Com - Nav - Etc. intermediate work center on the Connie after it came back from overhaul. We dug up two either APN - 2 or ARN - 2 receiver - transmitters (most likely ARN), along with a ton of " junk " and had to " float check " them, under orders. Ouch. They were about 12" H x 5 " W x 28" D. HEAVY. All tubes in a straight row from front to back, impeccable workmanship. Probably Bendix. Had to be from a C1, E 1, A1E or A3 aircraft. Anyone remember these ?
BTW, they failed the float test.

We also had a working ARC 38 bench with working bench 38's. You had to be careful not to rest your arm on an open channelizer chassis, since that could cause switch contacts to close and get it moving if every power switch on the bench control wasn't turned off. This would shock the **** out of you, then pull your arm down into that meat grinder of a geartrain & motors. The 38 bench had to be for support of the C1 COD aircraft. Maybe E2 as well. Also supported APX - 6 and sundry other radios & Nav gear I can't remember. Fun stuff !
Regards, Rich P. /

#

From boatanchors@sco.theporch.com Wed Mar 12 09:54:10 1997
From: Paul E Settle <pauls@inreach.com>
Subject: ARRL Handbook
Message-ID: <3326C65A.5290@inreach.com>

Boatanchor folks:

I have an ARRL Handbook "Special Defense Edition" dated 1942 in good condition. Any special value on this publication? I'm thinking about putting it on the BA list for trade, interested in either other early ARRL manuals or Hallicrafters publications/manuals.

Paul Settle KE6TPR <pauls@inreach.com>

From boatanchors@sco.theporch.com Tue Mar 11 20:58:02 1997
From: "David D. Meacham" <ddm@datatamers.com>
Subject: B&W L-1000A
Message-ID: <Pine.LNX.3.91.970311142415.3702A-100000@dt1.datatamers.com>

Gang,

Does anyone have a manual, or at least a schematic, for the B&W L-1000A linear amplifier? That is the one with self-contained power supply beneath the RF deck. I will be glad to pay for copying & shipping costs.
73, Dave, W6EMD

From boatanchors@sco.theporch.com Wed Mar 12 09:54:10 1997
From: marty@aa4rm.radio.org (locale for Marty Reynolds)
Subject: BA petting zoo dilemma
Message-ID: <199703121236.HAA15290@aa4rm>

Electric petting zoos, that's a hamfest definition! So's Debris Derby.

And there's TWO EPZs/DDs Saturday 3/15 here in Atlanta. The Kennehootchie Hamfest which is a 3-5000 soul event with a huge tailgate in the Callaway Rd. / Austell Rd. Marietta (GA) fairgrounds. 146.88/28 talk-in. 6 (for vendors) 'til 3P. Web site: <http://qsl.asti.com/hootch>

And the AWA 'house radio' bunch will be over in Alpharetta. They're a good group called SARS... that have complete disregard for hamfest conflicts and a bit of disdain for anything w/o a 50L6GT. But you never can tell what's gonna turn up - and they'll have 200 catalin knob mavens on Ga 400 @ Haynes Bridge / Fairfield Inn parking lot. Dawn to 1P.
Web site: <http://qsl.asti.com/SARS>

What to do, what to do???

Marty

From boatanchors@sco.theporch.com Tue Mar 11 20:58:02 1997
From: JOHN_SEHRING.parti@ecunet.org
Subject: BC-457 QUESTION
Message-ID: <9703111358.aa20045@pcusa01.ecunet.org>

Question please: What is a complete, unmodified BC-757-A made by Western Electric, last been to the maintenance depot in 1949, in fine condition, worth?

Thanx.

-John Sehring (Mon, Mar 10, 1997 9:51 am MT @Baker, Montana) UCC WB2EQG

From boatanchors@sco.theporch.com Tue Mar 11 20:58:02 1997
From: "Walter Fairclough" <wfairclo@netcom.ca>
Subject: Capacitor Wanted Posting
Message-ID: <199703112149.QAA09079@tor-srs2.netcom.ca>

Thanks to all those who replied to my "Capacitor Wanted posting". Received lots of good information. Looks like I'll go the Frontier Electronics refurbishing

route.

Regards

Walter Fairclough
Manotick, Ontario
wfairclo@netcom.ca

From boatanchors@sco.theporch.com Tue Mar 11 20:58:02 1997
From: "Andy Howard, WA4KCY" <sweetbay@compuserve.com>
Subject: Re: Crystal radios
Message-ID: <199703111753_MC2-1270-CB72@compuserve.com>

Surplus Al wrote:

>

> With all the informative folks on the BA Net someone may have an answer.
> Over the years I have given many boxes of electronics to the young
> people and helped promote engineers and Hams. A few days ago a young
> would-be Ham asked me if one could receive the Ham Bands on A Crystal
> Set. I had no answer, has anyone out there.

Al,

Crystal sets definitely will receive short waves providing the circuit is tuned to the proper frequency. I have a shortwave crystal set that will receive 75 meter AM like a champ. Radio Havana on 6.0 mhz really comes in well also.

Normally a crystal set for the shortwave bands will have two coils - that is a primary and secondary. Another very useful device is a rejector trap that is used to tune out regular broadcast stations that would tend to swamp the shortwave stations. A properly constructed crystal set for shortwave with a good detector (there are many different types from a rusty razor blade to a 1N34 diode) will receive up through 10 meters when conditons are good.

There are several good books on the subject of crystal sets currently in print. I believe that Antique Electronic Supply has some as well as parts to build the sets. I built my first crystal set at age 8 and have been fascinated by them ever since. They are truly radios that work for free. Batteries not included or required.

Regards to all,

~~~~~  
Andrew E. (Andy) Howard, Sr., WA4KCY  
105 Sweet Bay Lane  
Carrollton, Georgia 30116-8519  
Telephone 770-832-0202  
Southeastern Division Director, AM International  
sweetbay@compuserve.com  
wa4kcy@usa.net wa4kcy@juno.com wa4kcy@qsl.net  
Vintage Radio Home Page Address:  
<http://ourworld.compuserve.com/homepages/sweetbay>  
<><

~~~~~  
"Our Constitution was made for a moral and religious people.
It is wholly inadequate for the government of any other."
John Adams-1798
~~~~~

Hallicrafters SX-88 Owners List Keeper

From boatanchors@sco.theporch.com Tue Mar 11 20:58:02 1997  
From: Michael Hanz <AAFRadio@erols.com>  
Subject: Dynamotor bearing lubrication  
Message-ID: <3325F2DC.78B9@erols.com>

Was reading the digests and came across some comments worth some additional observations:

> Also, {Lubriplate} was recommended for dynamotor end bearing lube'  
>...problem is that in a few years all the oils leave the  
> "compound". Then if you run the dynamotor e.g. DM-32, 34  
> etx...you might as well use sand  
> in the bearings!. I avoid LUBRIPLATE!...

In fact, the lighter oil evaporation is true for just about any grease. A sealed bearing will do better, but then you can't relube it, so there's a tradeoff there. The best lube I've found for dynamotor bearings is a synthetic grease made for electric motor bearings by Mobil. Ordering data - Mobilith SHC 100. I get mine from MSC - about \$6 a tube. The lighter components of synthetic lube seems to evaporate more slowly, and being a synthetic it certainly has less friction than the old lubricants. I've never heard of Lubriplate being recommended for anything but sliding surfaces like latches, lock plates, and the like. At least that's what the side of my Lubriplate can say. It never mentions rotating ball bearings, so I'm not sure who made the recommendation mentioned above - I certainly agree strongly

with the opinion to avoid it in bearings. Might have been a "GI fix".

> Bye the Bye!!!. for ARC-5 or SCR-274N Rx type dynamotors...use G.M. "New  
> Departure" 34KDD bearings. They are "OILITE" and last forever!

This is a curious mixed metaphor. All the MIL dynamotor and inverters I've ever seen (I just counted 46 of them now in this stoopid rig) have ball bearings with hardened steel races. Oilite is a bronze bushing type of material that has oil embedded under heat and pressure in a porous bronze matrix. It does NOT last forever, unfortunately, but you can recharge it (to a degree) by putting the bushing in a hot oil bath (preferably when your XYL is out on a shopping spree). It is normally used for cheaper, lower speed applications. Price a ball bearing electric motor versus a plain bearing (oilite) motor sometime!

Now, the ND 34KDD bearing may be the ball bearing type for all I know. I just found the combination puzzling. You can still get bearings for most all the dynamotors, but it may take a bit of research with a good bearing house plus the dimensions of the bearing you're replacing.

73,  
Mike Hanz KC4TOS  
Herndon, VA

From boatanchors@sco.theporch.com Wed Mar 12 09:54:10 1997  
From: WA6GYD@aol.com  
Subject: exciters  
Message-ID: <970311221258\_-1807497844@emout15.mail.aol.com>

Arn't exciters that which generate RF to drive larger amplifiers. Exciters are not modulated. Transmitters both generate RF and modulate that RF.

Don

From boatanchors@sco.theporch.com Wed Mar 12 09:54:10 1997  
From: Sandy W5TVW <ebjr@worldnet.att.net>  
Subject: Re: exciters  
Message-ID: <19970312053112.AAC9806@LOCALNAME>

At 03:14 AM 3/12/97 +0000, you wrote:

>Arn't exciters that which generate RF to drive larger amplifiers. Exciters are  
>not modulated. Transmitters both generate RF and modulate that RF.

>

>Don

>

Don't say "exciters are not modulated." They are commonly modulated somewhere at low-level and then amplified by buffer stages, ultimately reaching the final amplifier stages. In an FM transmitter, the modulation takes place in the oscillator stage generally. Most crystal controlled FM is "phase modulation" which is generated in a slightly different way than true "frequency modulation" of an oscillator using a resonant circuit as its frequency determining element. This taking place in the "exciter unit" of course.

The Japanese use the term (or did use the term) "Younger Unit" instead of exciter unit. Having dealt with Japanese shipboard transmitter for quite a number of years, one gets used to some of the odd terms they use. Once you understand some of the "characters" and a little of the language, it is easy to see how they change the syntax of English, sometimes radically!

I think the misunderstanding is the misuse of the two terms "exciter" and "transmitter". We always have an exciter within a transmitter but never the opposite.

It's almost like saying "My car has an engine..." (OK), but never : "My engine has a car.."

(WRONG).

Again, if say an exciter is connected to the antenna, it indeed becomes a transmitter. If it is connected to, say a linear amplifier, then it becomes an exciter.

Suffice it to say it cannot be both at the same time. It is either/or.

73,

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"

417 Ridgewood Drive,

Metairie, LA., 70001

ebjr@worldnet.att.net

\*\*Looking for: 860 tubes, WL-460 tubes, RK-18,20,28 tubes\*\*

\*\*Butternut HF2V antenna, G-R test gear.....\*\*\*

From boatanchors@sco.theporch.com Tue Mar 11 20:58:02 1997

From: rdkeys@csemail.cropsci.ncsu.edu

Subject: Re: Exciters vs transmitters -- historical thoughts

Message-ID: <9703112031.AA119439@csemail.cropsci.ncsu.edu>

One thing that seems to be missing in the ``exciter'' vs ``transmitter'' thread is some history.....(not that I am any particularly great historian, but I try to keep up with as much of it as I can hold in my rusty fading greymatters.....(:+\.....).

.... in a time long long ago, when Hartleys were king, and antennas were end fed there was no exciter vs transmitter concept.....you had your basic self controlled oscillator or maybe, if well-heeled enough, an mopa set



of some sort..... (time frame 1919-1928). (Interestingly, even the commercial literature I have seen from this era makes no differentiation as to exciter or transmitter, but lumps everything into the transmitter category.)

.... in a time long ago, when xtals came into vogue, and put out nil power, you HAD to run a two or three stage set to get any power output. Typical xtal oscillators put out about 1 watt, and were used to drive a 5 watt stage, and maybe a second stage of 50 watts, and maybe maybe a final stage of 100-250 watts or more, at best. This time (depression era) also put severe constraints on the average ham budget. Beginners rarely built the whole outfit, but usually would build a simple xtal oscillator and maybe a second stage as their basic transmitter. It would be coupled to the antenna with an end feed or open line feed arrangement, by taking the inductive coupling off the final --- no antenna tuner was needed. In order to conserve costly components, it was quite common to build the oscillator/buffer set first and then later use it as the driver for an amplifier of the 50 watt class, and then if you were very lucky maybe a 204A 250 watt final.....(time frame 1929-1935). (Interestingly most rigs were built together in some sort of primitive rack frame of wood or if lucky metal, and no particular distinction seems prevalent between the ``oscillator'' portion and an ``amplifier'' portion.)

.... in a time almost long ago, when xtals were standard issue, some of the handbooks began to use the term ``exciter'' (c.f. Jones Radio Handbooks just before WWII) to designate lower power complete transmitters that could be used with an external tuner or with an external amplifier. Curiously, the ARRL handbooks seem to follow this by several years in the terminology, as if there were a regional basis to it (east vs west coasts). These simple complete low power transmitters were, again, the first sets the beginner was likely to put together, and usually one that could be adapted easily later to drive a biggie amplifier using 803's or 100TL's in single-ended or push-pull..... (time frame 1935-1942). (Interestingly, most rigs were built in separates, link coupled, sometimes in a wooden rack, but mostly commercial or home-built telephone style racks, or just separate boxes on the operators table(s) --- racks were somewhat expensive back then and wooden substitutes were quite commonly made by hams to rack sizes.)

.... in the modern era (post WWII) everything went everywhichaway but the term exciter stuck and became synonymous with a lower power (1-50 watt output) mostly complete transmitter that can be used alone with a tuner, or with an amplifier. Commonly built big rigs (typical kw am or cw rigs of the 50's and 60's) tended to be built with the oscillator and lower buffers or multipliers in one box on the operators table, sometimes with sometimes without an antenna tuner (but commercial ``exciters'' such as the Collins 310 series were sometimes sold with addin kits of parts for the antenna tuner system). Sometimes the entire transmitter was built

in the rack but only the vfo was put in a separate box on the operator's table (not a true exciter).....(time frame 1945-present). (Interestingly, in the amateur coax era of about 1960 and later the use of the pi-net output tank on the ``exciter'' negated to a great degree the requirement for an outboard tuner for standalone use, and forms the basis, perhaps, of the common ``novice rating'' transmitter of the 50 watt class that became the ``DX-60'ish'' sort of thing --- thus the meaning was becoming clouded in the traditional sense and becoming more the modern rig/amplifier sense --- your modern kinicoyasiwhoie and Henry 2K sort of thing is the current sense).

The point is that the terms ``exciter'' and ``transmitter'' are mostly synonymous since about the late 1930's and refer to a small rig that can be used alone with (or without) an external tuner, or used to drive that big 6 foot relay rack pair of push-pull 4-1000's off the end of the ops table. I find no particular distinction as to mode or class of operation in this terminology, and historically, the exciter was the first transmitter that the new ham built, and used later as the driving section for his future ``big rig''.

That is how I see it.....through me rose colored glasses.....(:+\.....

73/ZUT DE NA4G/Bob UP

From boatanchors@sco.theporch.com Wed Mar 12 09:54:10 1997

From: "Robert S. Ross" <radiorob@serix.com>

Subject: Finally have racks.....need more Radios!!!

Message-ID: <199703112342.XAA22135@cm.serix.com>

Hello Folks:

Well .....over the past 6 months, I have been accumulating a few nice boatanchors for the shack. RCA AR88, Collins 51S-1, Hallicrafters SX 28A, Hammarlund SP600, ETC. ETC. Most of these rigs have been rackmount....and guess what....I didn't have any racks!! Around here they are a rare commodity, especially good heavy duty ones.

Yesterday I took delivery of 2 real nice racks....a 5 1/2 Foot high "Premier Metal Products" Black Wrinkle Painted Rack, and a 4 Foot high by 3 Bays wide Rack, that will hold at least 9 Boatanchors.....maybe more if they are not real big!! It is also Black Wrinkle Painted. Unfortunately ..I missed the 7 foot Hammond Rack on Wheels!! These racks are from the estate of the late Rod McDonald...a local ham ...VE3ZR, who passed away last year at the age of 92. Rod was one of Canada's first licensed Amateurs. He was licensed around 1920 with the call of 2F0, near Montreal. He later became C2F0, then when he moved to Ontario he was VE3ZR. Rod was also the original owner of the 51S-1 Receiver that now occupies my shack.

A lot of history passed on with Rod....but luckily I was able to rescue much of the paper work that Rod had accumulated. Along with the racks....I was happy to obtain a big box of Literature and QSL cards from the early days. Included in the box was Rod's original ARRL Membership certificates from 1924-1935, Early 1920's/30's letters from the Canadian Gov't in relation to Rod's Licenses, Early 1920's QSL Cards....including unused cards with Rod's early calls on them, Photos, and a 1921 Scientific Experimenter- Wireless Apparatus Catalog in Excellent Shape!

There were many other prize items, but perhaps the "GEM" of the lot is a QSL card Rod Received from Art Collins. Rod was a personal friend of Art Collins and they talked to each other regularly back in the old days. This specific card is for a contact Rod made with W0CXX/M (Military). On April 3/1956 Art Collins Supplied the USA Airforce with a complete Collins Station to equip a Strategic Air Command C-97 during a test flight to the Pacific. The 3 Ham operators on the Flight were...Art Collins, Major General Butch Griswold, and Willie Wilson. The Full colour card shows a Photo of the 3 operators standing in front of the Plane. The card is also signed (Autographed) by Art Collins and Major/Gen. Butch Griswold. I got to tell you...."This is way cool!!!" Anyone who is not really sure what Ham Radio is all about...has never seen something like this.....This is what we're all about folks!!"

So....One Ham passes on...and another helps to keep the Spirit alive. I have a nice 8"x10" Photo of Rod sitting in Front of his station....which was all Rack mounted..and consisted of Collins, National, Central Electronics etc. equipment. Soon I will have all of my gear mounted in Rod's Racks.....Hey....this is starting bring tears to my eyes.

Salute my friend....I hope I can do a fraction of what you did to keep the spirit of ham radio alive.....

73..ROB

Robert S. Ross      VA3SW  
London, Ontario, CANADA

Radio DX'er  
Antique Radio Enthusiast

Wayward home for Hot Tubes....Heavy Radios...and Chrome Microphones!!!

From boatanchors@sco.theporch.com    Wed Mar 12 09:54:10 1997  
From: ARONGV@aol.com  
Subject: Free S-20R Manual  
Message-ID: <970311214513\_-1238130954@emout19.mail.aol.com>

Hi Gang:

Manuals For Postage went really smooth.....almost!

Tonight, while rebuilding my workbench, I found a S20-R very nice repro manual under some stuff on a lower shelf.

I had put a S20-R manual on my free list. Someone gave me a very compelling story about why he needed it, although i didn't ask for explanations.

I went to strike the S-20R off my list and I discovered what I had in the pile was missing half the pages. So i just deleted the E-mail request.

Whoever sent that compelling S-20R message should try again. It's still free and very complete from The Manual Man. Oh yes, I'll recognize the response.

Ron W00IZ Kansas City

~~~~~  
Keeping Hallicrafters, Johnson, RME & Swan on the air. Anything to sell/swap?
~~~~~

From boatanchors@sco.theporch.com Tue Mar 11 20:58:02 1997  
From: James Olson <w4jo@mindspring.com>  
Subject: FS: RCA BTA 1-K Broadcast transmitter  
Message-ID: <3.0.32.19970311213038.0069c0d8@mindspring.com>

For sale: RCA BTA1-K am transmitter. This model dates back to the late 1940's. This 1 KW unit is comprised of three cabinets. All PCB caps have been removed, and some spare tubes come with the unit. Pick up only (unit is in northern California). Make offer (or trade?).

If you responded before, I lost all my e-mail files. Please reply to:  
w4jo@mindspring.com

From boatanchors@sco.theporch.com Tue Mar 11 20:58:02 1997  
From: Jeffrey Herman <jeffreyh@hawaii.edu>  
Subject: FS: RCA BTA1-K Transmitter  
Message-ID: <97Mar11.164222hwt.188169(8)@uhunix3.its.Hawaii.Edu>

Please contact the seller - I'm only the messenger.  
Jeff KH2PZ

-----

For sale: RCA BTA1-K am transmitter. This model dates back to the late 1940's. This 1 KW unit is comprised of three cabinets. All PCB caps have been removed, and some spare tubes come with the unit. Pick up only (unit is in northern California). Make offer (or trade?).  
If you responded before, I lost all my e-mail files. Please reply to:  
w4jo@mindspring.com

From boatanchors@sco.theporch.com Tue Mar 11 20:58:02 1997  
From: aculbert@pps1-po.phyp.uiowa.edu  
Subject: FS: CQ MAGAZINES  
Message-ID: <199703112122.PAA39387@ns-mx.uiowa.edu>

I have the following duplicate copies of CQ magazines for sale:

1955 7,8,9,10,11,12  
1956 Complete  
1957 Complete Jan/Feb/Mar covers loose  
1958 Complete  
1959 Complete  
1960 1,2,3,5,6,7,8,9,10,11,12  
1961 1,2,3,4,5,6,7,8,9,10,12  
1962 1,2,3,4,5,6,7

All in average/good condition except as noted above. Most all have a rust stain between two pages in the approximate center of the issue from the wire rod used to retain the issues in binders.

\$1 per issue plus shipping from Iowa.

Need January, February and March 1945 to complete my set, any out there?

73

Al, K0AL

allan-culbert@uiowa.edu

From boatanchors@sco.theporch.com Wed Mar 12 09:54:10 1997  
From: w7fg <w7fg@w7fg.com>  
Subject: FS: Drake TR-7, PS-7  
Message-ID: <199703120524.XAA09073@cc\_ux\_00.cimcase.com>

Joel are you interested in this item??

A friend has a TR-7 for sale and he dropped it by this afternoon.

I just fired it up, and it works fine, maybe the band switch is a little dirty. It has a CW filter 500 Hz I think, didn't open it up to confirm B/Width. Both TR-7 (SR # 1563) and PS-7 don't seem to have a single mark on them, except the TR-7 has two 2 inch peices of White Velcro on left side, around the speaker, as does the E.F.Johnson CB microphone I found in the Box.

If interested in this unit, let me know what you will give. If no one is interested - Will post for him in ART. Would also like to know what they are worth in today's market if no one here is interested.

73's Gary

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| Bartlesville, Oklahoma 74006 |  
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| Telephone: 918-333-3754 |  
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| |  
| HomePage: http://www.w7fg.com |  
| E-Mail w7fg@w7fg.com |  
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From boatanchors@sco.theporch.com Tue Mar 11 20:58:02 1997  
From: "Broline, Nick (Tracor MS Mail)" <ENB@eng1.tracor.com>  
Subject: FT-171 75m AM Crystal?  
Message-ID: <c=US%a=\_%p=Tracor%l=TRACOR/AUSTIN/000364FD@ems1.tracor.com>

I just acquired an RCA VT-15A aircraft transmitter which logically would go nicely on 75 m AM. It (apparently) uses a single 6L6 electron coupled oscillator-final, modulated by a single 6L6. Crystal sockets required a FT-171 (?) crystal holder (the one with banana plugs spaced 3/4 inch (?) and accepts BIG blanks. I am looking for a crystal holder that would allow insertion of an FT-243-size crystal slab cut for 75 meters (like 3880 to 3885), or, best case, a big crystal holder in that freq range(below, of course) with a 3/4 in slab. I have ground blanks before, so almost nothing scares me. I am expecting that the 6L6 runs a LOT of crystal current, so I would never expect that an HC-6/U crystal dressed up in FT-171 clothes would survive more than a millisecond or so. Any ideas out there (short of an outboard oscillator or external VFO)?? Given no 75 meter sources, how about 160 m alternatives???

Please respond directly to my E-mail

73,  
Nick Broline W5FUA

From boatanchors@sco.theporch.com Wed Mar 12 09:54:10 1997  
From: mashaum@fcg.net (Mark Shaum)  
Subject: Ham bands on a crystal set, ideas  
Message-ID: <M.031297.091039.49@NE9G>

Al asks:

>With all the informative folks on the BA Net someone may have an answer.  
>Over the years I have given many boxes of electronics to the young  
>people and helped promote engineers and Hams. A few days ago a young  
>would-be Ham asked me if one could receive the Ham Bands on A Crystal  
>Set. I had no answer, has anyone out there.

Well, back in the Chicago 'burbs I could copy a local ham (Mark, KA9FBX) using my 80 meter zepp and a 1N34 diode, .05 uf rf filter cap and high impedance cans during the Saturday morning Midwest Classic Radio Net on 3885. Bear in mind that Mark was only about 5 miles from me, and generally ran a Globe King 500.

Note that with this total lack of RF selectivity, I could also hear WBBM, the local AM field strength king at that QTH anytime Mark was not providing a carrier. Sort of an AM capture effect.

Back as a pre-novice, I tried to build a fancy crystal set back in the Detroit area with a double tuned front end (on oatmeal boxes) feeding an audio amp. Even with series traps to attenuate local AM broadcast carriers, I was not successful in hearing anything shortwave. A frequency-selective antenna might have helped.

I suspect that one could hear shortwave signals on a crystal set with sufficient front end selectivity to keep any local signals below the level of the desired signal. Assuming the desired signal was strong enough to rectify in the first place! Try a biased crystal/diode. Maybe helical filters or one of those multi paint-can cavities for 3.5 Mhz that the multiop contesters use for bandpass/reject would also lead to a working SW crystal set for 75m AM...

Methinks this could be a fun project for list members. How long before we have a 2-way contact with a zero power receiver at both ends? No bias batteries, solar cells, etc. allowed! Strictly RF driven. Now.. someone with a good loud local AM station could possibly make a separate crystal set that would have the goal of providing DC from the rectified signal for use in supplying active voltage to the shorwave set.. lots of possibilities! I'm partial to biased semiconductor diodes for low level detection, it seems!

73! - Mark

----

Mark Shaum, K9TR  
mashaum@fcg.net

From boatanchors@sco.theporch.com Tue Mar 11 20:58:02 1997  
From: "Warren, Mike" <mwarren@fs.com>  
Subject: Here's your chance guys!  
Message-ID: <c=US%a=\_%p=FSFT%l=EMAIL-970311191559Z-582@email.fs.com>

>-----  
(I found this on rec.radio.swap today!)

>> From: Joe @ h.r.e. <hre@teleport.com>  
>> Newsgroups: rec.radio.swap  
>> Subject: HAM RADIO STORE FOR SALE !!!  
>> Date: Monday, March 10, 1997 5:58 PM  
>>  
>> HRE IS FOR SALE !!!!  
>>  
>> <http://www.teleport.com/~hre/>  
>>  
>> (503) 598-4736  
>> (503) 598-HRE6  
>>  
>>

From boatanchors@sco.theporch.com Wed Mar 12 09:54:10 1997  
From: mashaum@fcg.net (Mark Shaum)  
Subject: HT37 audio quality comment  
Message-ID: <M.031297.093839.88@NE9G>

Tom comments on the HT37:



>Late last night, after reading the Viking II and HT-37 manuals, I tried  
>both of those transmitters. The HT-37 is the first SSB xmtr using the  
>phasing system that I've ever used. The tuning operation of the HT-37 is  
>very straightforward. I called CQ on 75 meters and talked with a ham near  
>Sacramento. He loved the audio. Maybe it was the HT-37? Maybe it was the  
>Turner mic? Maybe he was just trying to make me feel good for spending \$40  
>:-).

Tom, I also collected many 'great sounding' comments when I used my HT37/SX111 pair on SSB. I used an Electro-Voice 630 mike, which probably also contributed to the smooth response. These phasing rigs will frequently generate a wider SSB signal, with a response well beyond the 300-2500 hz recoverable audio range typical of modern tightly-filtered sets. Consequently, I also received one comment about being too "wide". Not splattering, just wide in bandwidth, I presume. Or maybe my opposite sideband rejection was low (another problem with classic phasing rigs) Sounds better to most listeners if they have a wide enough RX bandwidth to hear the full transmitted spectrum.

Starting this coming weekend, I plan to start using a Gonset GSB100 (another phasing rig) with an EV664 feeding the audio for my infrequent SSB operations. So far, it sounds GREAT when I'm monitoring locally.

TIP!- use a family member or friend's voice when listening for overall audio quality. Your ears and mind know what a particular person sounds like. When listening to my own voice in a monitor receiver, I've never liked it. Never sounded 'normal' to me, even though others say it's fine. We don't hear ourselves as others do!

73! - Mark

----

Mark Shaum, K9TR  
mashaum@fcg.net

From boatanchors@sco.theporch.com Tue Mar 11 20:58:02 1997  
From: Al Klase <skywaves@bw.webex.net>  
Subject: Re: Information wanted  
Message-ID: <3325CE14.18A5@webex.net>

Surplus Al wrote:

>  
> With all the informative folks on the BA Net someone may have an answer.  
> Over the years I have given many boxes of electronics to the young

> people and helped promote engineers and Hams. A few days ago a young  
> would-be Ham asked me if one could receive the Ham Bands on A Crystal  
> Set. I had no answer, has anyone out there.

Al & the Group,

The answer is yes, in theory, but probably no in practical terms.  
Crystal sets only detect AM. SSB and CW won't work. You'd need to  
change the tuned circuit to the frequency of interest. It's easy to  
hear 6-7 MHz international broadcaster on an xtal set, their signal  
strength is outrageous. I doubt if you'll hear any ham traffic unless  
you've got an AM'er down the block.

73,  
Al

--  
Al Klase - N3FRQ  
skywaves@bw.webex.net  
Flemington, NJ

From boatanchors@sco.theporch.com Tue Mar 11 20:58:02 1997  
From: Bill Meara <wmeara@erols.com>  
Subject: Re: Information wanted  
Message-ID: <199703120108.UAA00539@smtp1.erols.com>

>Date: Wed, 12 Mar 1997 01:06:37 -0400  
>To: surplsal@tl.infi.net  
>From: Bill Meara <wmeara@erols.com>  
>Subject: Re: Information wanted  
>

>At 03:32 PM 3/11/97 GMT, you wrote:  
>>With all the informative folks on the BA Net someone may have an answer.  
>>Over the years I have given many boxes of electronics to the young  
>>people and helped promote engineers and Hams. A few days ago a young  
>>would-be Ham asked me if one could receive the Ham Bands on A Crystal  
>>Set. I had no answer, has anyone out there.

>  
>Al: I've been playing with Crystal sets for the AM broadcast band. They  
work great. A while back I spoke to a ham (on 75 AM I think) who told me  
about a crystal receiver he had built for the 75 meter phone band. He told  
me that he used very high Q tuned circuits (big thick coils!). He said it  
worked just fine.

>  
>"The Crystal Set Handbook" (published by the Xtal Set Society) has a

chapter with a design outline for an HF crystal set. Tell the young would-be-ham to do a Web search for Crystal radios or the Xtal Society (they have a page). I'd advise him to start out with simple broadcast band sets. He can get Galena and cats whiskers from Antique Electronic Supply. Or he can use a 1N34A for the detector. Great fun!

>  
>  
>  
>  
>

73 de N2CQR  
Bill Meara  
Hallicrafters, Heaths and Hammarlunds  
QTH: Falls Church, Virginia, USA  
Formerly of Tegucigalpa, Bilbao and Santo Domingo  
wmeara@erols.com  
<http://www.mindspring.com/~johnmb/billm.htm>

From boatanchors@sco.theporch.com Wed Mar 12 09:54:10 1997  
From: ARONGV@aol.com  
Subject: Inside Svetlana  
Message-ID: <970312012041\_753795473@emout04.mail.aol.com>

Hi Gang:

A scant two years ago I was asked to drop by the Svetlana booth at the National Association of Broadcasters convention in Las Vegas.

The invitation was from my good friend (and a ham) George Badger. George had spent his life at Eimac/Varian and lived through the traumatic days of the invention and application of the klystrode.

At the booth I met the president of Svetlana. Tough conversation since the man didn't know a word of English, nor I Russian.

Turns out that Svetlana had been THE state owned and operated tube and klystron manufacturer, supplying all of the satellite states and the motherland.

With George's help, Svetlana managed to begin selling to the U.S. Coast Guard and the Navy. Early-on tests of their tubes showed that they were not just good enough to pass muster with hams, but also with the stringent Mil specs.

Svetlana showed up at the NAB, because they wanted to sell to the

broadcasters. Guess what, they're not exactly doing a land office business, but they are doing VERY WELL in the broadcast market.

Since that first intro into the NAB, Svetlana, at George's urging, began to concentrate on the amateur radio market. I'm sure you've all seen their ads?

Notice their prices. They are set to take the ham market.

The interesting part of Svetlana is that they have continued to improve and improve tubes we all know and love. And, they are adding newer and improved versions of most of our typical power RF tubes.

Unlike some company's that either checked out of the market or stayed with older designs/specs, Svetlana is dedicated to continual tube improvements.

George would be especially upset with me if I spilled the beans here and now, but I can say that those running 3-500Z tubes should be in for an interesting surprise, maybe before the year is out.

In early April, I'm going to the NAB convention for the 29th time. I'll see if I can get more info on the ham side of their operation.

By the way, the Klystrode that George was a part of, took the power hungry UHF transmitters into the 70 to 80 % efficiency level, saving UHF broadcasters thousands of dollars in power bills. Enough saving to pay for a \$500,000 transmitter in seven years or so.

Of course, Svetlana is due to introduce their new energy efficient UHF tube at the show.

As a parting note, Harris Broadcast (Quincy, IL) will show the world's first Silicon Carbide transmitter. What a device! We'll see it in ham radio within five years, and you'll love it if you can tear yourselves away from the rigs that glow in the dark.

73s Ron W00IZ

~~~~~  
Editor-In-chief of Television Broadcast magazine and Editor of Government Video magazine.
~~~~~

From boatanchors@sco.theporch.com Tue Mar 11 20:58:02 1997  
From: Michael Hanz <AAFRadio@erols.com>  
Subject: J-16/ARC-5  
Message-ID: <3325C9F3.684F@erols.com>

> It started out as something other than a J-16 - the original blue label

> has been selectively milled away, leaving J- /ARC-5. It's stamped  
> MODIFIED TO J-16/ARC-5 in yellow ink, and also has the Navy's 'US anchor'  
> stamp in yellow ink. I don't know what it started life as, and don't know  
> exactly what the mods were.

I've seen a couple of these - apparently a lot of the WWII J-22s had their  
internal microphone  
relays and/or volume controls removed and the yellow stamp applied. In some cases  
they physically  
milled off the 22 on the label, maybe to prevent grabbing the wrong one when you  
went out  
to the aircraft to do an installation or replacement. With a C-48 or the  
modulator close by,  
you don't need the mike relay, I guess. Anyway, it ends up being a simple jack  
box for your  
mike and headphones. Good addition to any ARC-5 rig.

73,  
Mike Hanz

From boatanchors@sco.theporch.com Wed Mar 12 09:54:10 1997  
From: mashaum@fcg.net (Mark Shaum)  
Subject: Johnson knobs and brass, not white inserts  
Message-ID: <M.031297.093841.37@NE9G>

Ron brings this insert topic up..

>Scuffed-up cabinets, fine. Knobs missing white inserts, okay. I can even deal  
>with knobs missing and no crystal cover!

Just wondering.. My Ranger had brass inserts on the knobs, not white plastic.  
Was this rare, or did I just have a classy Ranger (with the exception of 7 MHZ  
CW chirp- <grin>). Kinda miss the rig, although I NEVER will go through hand  
re-lettering of a front panel again (single bristle brush, model paints, a  
gazillion hours of touch-up/oops/redos!!) even though the end result was  
very attractive. I understand your reluctance to approach sets with major  
panel wear, believe me!

73! - Mark

----

Mark Shaum, K9TR  
mashaum@fcg.net

From boatanchors@sco.theporch.com Wed Mar 12 09:54:10 1997  
From: Larry Godek <AZCOT@gnn.com>  
Subject: Lubriplate  
Message-ID: <199703121103.GAA29030@mail-e2b.gnn.com>

Used that on all the sliding metal-to-metal surfaces on my teletype machines, ie 28's, 33's and 35's. Never had any problem with it. Course was just a light coating of the stuff and still have a big plastic jug of it out in the garage.

Now what am i gonna do with it?

Larry Godek W00GH  
AZCOT@gnn.com

Gilbert, AZ. 85233

Ex-W6KQL, W8BPV, DL5LS, K0TA0, KN6TUP

From boatanchors@sco.theporch.com Wed Mar 12 09:54:10 1997  
From: Tom Norris <badger@telalink.net>  
Subject: Re: Lubriplate  
Message-ID: <3.0.1.32.19970312071217.006f0e3c@telalink.net>

At 11:04 AM 3/12/97 GMT, you wrote:

>Used that on all the sliding metal-to-metal surfaces on my teletype  
>machines, ie 28's, 33's and 35's. Never had any problem with it.

Remember, folks that is exactly what Lubriplate, or any other lithium-soap based lube is for -- sliding surfaces. Not really designed for things like bearings.

-----

Please visit The Mil List for info on military communications gear:  
[HTTP://telalink.net/~badger/millist/index.html](http://telalink.net/~badger/millist/index.html)

Please help me fill in the gaps in the list!

ANY and ALL Contributions Welcome.

\*\*\*\*\*

Tom Norris KA4RKT  
badger@telalink.net Nashville, Tennessee, USA  
thermionic@techie.com

\*\*\*\*\*

From boatanchors@sco.theporch.com Tue Mar 11 20:58:02 1997  
From: John <johnmb@mindspring.com>  
Subject: Re: Millen Transmatch Problem  
Message-ID: <199703111831.NAA29903@camel6.mindspring.com>

At 03:09 PM 3/8/97 GMT, you wrote:

>I recently acquired a Millen type 92200 Transmatch antenna tuner. It is in  
>great shape but has a carbon track in one position of the switch (3.5mhz)  
>position to the rotor of the switch. The switch is a very heavy duty ceramic  
>(5 position Radio Switch). Has anyone ever had any success in removing a  
>carbon track on ceramic?  
>

Tom,

Please dont laugh at this...but put that switch in the dishwasher on  
HOT...Potscrubber mode, dump in a load of your favorite  
diswashing powder, and let 'er rip.

Dishwasher soap is GOOD stuff!!!!!!!!!!!!!!!!!!!!

I bet this does the trick!

/John

WB50AU/4

+-----  
| John Brewer- WB50AU/4  
| AMI #24 Vintage Radio Website  
| <http://www.mindspring.com/~johnmb/>  
+-----

From boatanchors@sco.theporch.com Tue Mar 11 20:58:02 1997  
From: Laird\_Tom\_N@hpmail1.90.deere.com  
Subject: Re: Millen Transmatch Problem  
Message-ID: <H00005a004c0a4d3@MHS>

--openmail-part-05a0488c-000000001  
Content-Type: text/plain; charset=US-ASCII; name="Re:"  
Content-Disposition: inline; filename="Re:"  
Content-Transfer-Encoding: 7bit

I have bead blasted carbon tracks off a couple ceramic insulators in my Globe King 500A, its still workin OK!

Tom Laird WC9M Moline, IL

--openmail-part-05a0488c-00000001

From boatanchors@sco.theporch.com Wed Mar 12 09:54:10 1997

From: Eugene Rippen <soundval@foothill.net>

Subject: PCB in Caps????

Message-ID: <33261E86.439E@foothill.net>

How does one know if rectangular, upright mounting, terminals on the top, capacitors have PCB in them?

Gene

From boatanchors@sco.theporch.com Wed Mar 12 09:54:10 1997

From: "Roberta J. Barmore" <rbarmore@indy.net>

Subject: Re: PCB in Caps????

Message-ID: <Pine.SUN.3.91.970312073851.19439A-100000@indy1>

Hi, Gene!

...I'm copying this to the list, as it may be of use to others:

On Wed, 12 Mar 1997, Eugene Rippen wrote:

> How does one know if rectangular, upright mounting, terminals on the  
> top, capacitors have PCB in them?

Several ways:

1. Simplest: if it is a non-PCB oil condenser made after PCBs turned into environmental bugbears, it will be prominently and plainly marked "NON PCB" or "CONTAINS NO PCBs." Such ;abeles are usually blue and white.
2. Still kinda simple: \*most\* PCB condensers from the later years will have a discreet marking, often stamped or engraved, "CONTAINS PCBs."
3. Way less simple: Early examples usually name the manufacturer's term for the magic gunk on the label: GE's "Pyranol" was the most common, but all sorts of names on that general pattern were used. Flipping though '30s "QST" and "Radio" with an eye to high-voltage condenser ads is a good way to find these names. (I have a list of \*most\* of those names at work, and will post it if folks are interested).

It boils down to this, though: about any oil condenser from before 1970 (or so) rated for a kV or more is almost sure to use PCB-bearing oils, and all oil condensers should be considered suspect.

That's the bad news. Good news is that PCB oil as typically used in



the sorts of condensers we encounter is not as dangerous as it seems from all the hoopla. The kicker is the products formed if the stuff \*burns,\* which are \*quite\* nasty.

If you refrain from setting your intact PCB condensers ablaze and playing in the smoke, soot, or with the charred remains, they are very unlikely to harm you.

Alas, given the amount of regulatory interest in PCBs, such condensers even in good shape are as much (or more) of an insurance risk than a direct hazard. Big ones are also costly as the devil to dispose of in a proper manner. (Private citizens can \*likely\* take advantage of a community "hazardous Waste Day" program; at least here in the Midwest, the bigger cities have a couple of days a year when \*any\* sort of awful glop owned by private individuals can be brought it and got rid of).

73,  
--Bobbi

From boatanchors@sco.theporch.com Tue Mar 11 20:58:02 1997  
From: "Broline, Nick (Tracor MS Mail)" <ENB@eng1.tracor.com>  
Subject: PE-120 Application  
Message-ID: <c=US%a=\_%p=Tracor%l=TRACOR/AUSTIN/000364C1@ems1.tracor.com>

I have acquired a NIB BC-659 which I want tot put on 29.6 MHz. for show and tell. The manual shows that the PE-117 was the companion 6/12 VDC power supply. The manual for the BC-620 (low freq version of the '659) shows a PE-97. In an early surplus ad for the BC-620/SCR-??? a PE-120 power supply was shown. Does anyone have details on the application of the PE-120 to the BC-659 and/or BC-620 radios? The PE-120 apparently is a 6/12/24 VDC prime power configuration. How did it connect to the radio? Patch cable? Any insight would help!! I expect that a schematic will be easy to draw, but what should I expect??

Please respond directly to my E-mail

73,  
Nick Broline W5FUA

From boatanchors@sco.theporch.com Tue Mar 11 20:58:02 1997  
From: Dean Davidson <ddavidso@metz.une.edu.au>  
Subject: Re: R-391 Progress Report  
Message-ID: <3.0.1.16.19970312092500.097fe16c@metz.une.edu.au>

At 02:14 11/03/97 GMT, provero@connix.com wrote:

>Still working on a friend's R-391. Have made significant  
>electronic progress, using the R-390 schematics from the  
>Mil List site.  
>

>That leaves the mechanical stuff. There is a green gear mounted on the  
>RF deck, not connected to anything. Anyone know what this is for? A  
>"bulkhead mounted spare"? The "dial zero" control seems to be in the  
>"zero" mode no matter what the position.  
>

I haven't my 391 manual here so I can't say exactly where to put it,  
but it is essential to mesh the green gear with other gears before  
removing the gear assembly.

>From Josh's report, it sounds like you could do with the alignment  
procedure for the 391.

I could copy it (From my copy!), but surely someone has a copy  
closer to Josh than me in Australia

Dean

--

Dean Davidson Web Page: <http://www.une.edu.au/~psychology/deand.htm>  
Dept Psychology Email: <mailto:ddavidso@metz.une.edu.au>  
University of New England Phone: 61 67 73 2585  
Armidale NSW 2351 Australia VK2 ZID

From boatanchors@sco.theporch.com Tue Mar 11 20:58:02 1997  
From: Richard Loken <[richardlo@devax.admin.athabascau.ca](mailto:richardlo@devax.admin.athabascau.ca)>  
Subject: RE: RE Hickok Chart Data

On Tue, 11 Mar 1997 dr.electron@juno.com wrote:

> Where did they ever come up with " english " as a control name ?  
> Mullard ? chuckle ! Seriously ?  
> Thanks, Rich P. /

According to Webster's (I'm Canadian and prefer Oxford but the boss gave  
me Webster's):

English n ...

4. spin around the vertical axis deliberately imparted to a ball  
that is driven or rolled.

As in snooker, do you recall Bugs Bunny hittings something that was probably not a billiard ball (like maybe Fuddsy's head?) and saying, "I'll put a little english on it" as he chaulked the cue.

Not going to use English if you are curling so go for "draw" instead.

Richard Loken VE6BSV, Systems Programmer - VMS : "...underneath those  
Athabasca University : tuques we wear, our heads  
Athabasca, Alberta Canada : are naked!"  
\*\* richardlo@admin.athabascau.ca \*\* : - Arthur Black

From boatanchors@sco.theporch.com Wed Mar 12 09:54:10 1997  
From: Nick England <nick@cs.unc.edu>  
Subject: RT-1-B mystery transmitter  
Message-ID: <199703121507.KAA02522@altair.cs.unc.edu>

Aww, come on - I know it isn't a mystery to someone out there!

Model RT-1-B Radio Transmitter.  
3-30 Mc crystal controlled CW transmitter - 1950 vintage  
presumably for some clandestine service?  
"Fungicidal coating applied March 1950"  
no manufacturer's name anywhere on it.  
presumably US made given tube types and Aerovox caps

9" x 9" front panel, 13" deep  
grey aluminum enclosure - has a handle on top  
flip up front cover fastens with 2 Dzus fasteners -  
separate power supply - via rear Cinch-Jones and HV connections  
Antenna connections on rear, VFO (S0-239) on one side,  
relay/receiver connections on other

inside of flip-up front cover has laminated tuneup instructions.  
Inside of bottom cover has laminated schematic  
no manufacturer's name anywhere

4-65 final, 2E26 driver, 6AC7 oscillator, 6Y6? clamp, VR-150  
very sturdy construction - all tubes clamped in place.  
separate ceramic coil forms for each band for osc, driver, and final  
beautifully made rig with handsome black front panel

Any clues ?

73 & Have Fun,  
Nick England KD4CPL nick@cs.unc.edu Univ. Of North Carolina

<http://www.cs.unc.edu/~nick>

Chapel Hill NC

From boatanchors@sco.theporch.com Wed Mar 12 09:54:10 1997  
From: cmar@datamat.it  
Subject: Silver Eagle in Houston  
Message-ID: <199703121515.QAA15654@star.flashnet.it>

Hi gang,  
during first week of April I will be in Houston, TX.  
I want to buy a Silver Eagle microphone made by Astatic.  
Who knows where I can find a real bargain?  
There is someone that knows a good seller in Houston area?  
Thanks to all.

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      //\\\
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|    |    |
|----|----|
| (# | #) |
|----|----|

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:-----o00-( )-00o-----:  
:      Claudio Marchesini      :  
:      DATAMAT S.p.A.          :  
:      Via Laurentina, 760      :  
:      00143 ROMA - ITALY      :  
:                               :  
:      cmar@datamat.it         :  
:      Voice:39-6-50274240      :  
:      Fax:39-6-5020333         :  
:-----:-----:
```

From boatanchors@sco.theporch.com Tue Mar 11 20:58:02 1997  
From: pmills@A.crl.com (Phil Mills)  
Subject: SP600 knobs needed  
Message-ID: <199703120031.AA13701@A.crl.com>

I acquired an SP600-JX-26 today....filthy dirty but front panel is not scratched and it will clean up very nicely. Unfortunately, somewhere along the way, the bandswitch knob and main tuning knob were replaced with Collins type skirted knobs. Does anyone have a pair of the correct knobs for the SP600 they are willing to sell? Does anyone know a source? Yes, I've already checked with Robert Fowle and another source he referred me to (Charlie, sp600@aol.com).

thanks & 73,

Phil

\*\*\*

|                   |       |     |                           |       |
|-------------------|-------|-----|---------------------------|-------|
| Phil Mills, AB5TH | ***** | WTB | S-meter for 75A4          | ***** |
| pmills@a.crl.com  | ***** |     | 80 meter RF coil for 75A4 | ***** |
| 281-992-5762 days | ***** |     | bottom cover for 75A4     | ***** |
| Near Houston, TX  |       |     |                           |       |

From boatanchors@sco.theporch.com Wed Mar 12 09:54:10 1997

From: Mike Warren <m\_warren@compuserve.com>

Subject: Spring cleaning - free stuff

Message-ID: <199703112220\_MC2-126A-FBED@compuserve.com>

Hi Gang,

Ron's "Manuals for Postage" give-away kept me up until midnight Sunday, so I did a little Spring cleaning while I was waiting for the time to pass. I've come up with the following items that are "free for postage" to a good home.

#### LITERATURE

1. Heathkit HP-23C power supply manual (original)
2. Hammarlund HQ-129X (copy of Riders)
3. National NC-173 (copy of Riders)
4. Military AN/URM-25D manual (W7FG copy)
5. Electric Radio Nov. '96 issue (original)

#### CRYSTALS

1. 2023 KC, Z-1A holder (bigger than FT-243), 3/4" pin spacing, Petersen Radio
2. Several small metal-cased crystals with short pins and 1/2" spacing. They are marked "TDZ" or "RDZ" and show a UHF frequency. Quantity and fundamental frequency (kHz) below:
  - a. one each - 6035.42, 6039.06, 7129.63
  - b. two each - 7018.75, 7052.08, 7070.37, 7085.42, 7114.82,, 7144.44, 7159.26, 7174.07, 7218.52

TDZ/RDZ owners get "first dibs" on the TDZ/RDZ crystals, otherwise it's first come first serve.

73,

Mike W5MAZ (in MN)

m\_warren@compuserve.com

From boatanchors@sco.theporch.com Wed Mar 12 09:54:10 1997

From: dr.electron@juno.com  
Subject: RE: Svet tubes  
Message-ID: <19970311.184915.3462.0.dr.electron@juno.com>

BA FANS & TUBEXPERTS;

Interesting post. Especially the sweep tube part, at the trailing end of our sweep tube thread. You can bet their ears, eyes, and noses are pressed to all the "tracks" for input. Good.

I'm not that familiar with the brand. Would someone highlight their ups & downs ?

Are they evaluating which of their designs will "hang" ? Or contemplating producing hardware ?

In high power musical instrument amps e.g. guitar amps, the loss of cheap, excellent, and very robust U.S. and Western European tubes ( quite cross produced & labelled if you look into it ) has caused engineering to go toward lower operating voltages. A general loss of tone quality often results, as well as shorter life spans for the bottles. Save for the sporadic and random availability of very well performing tubes, overall performance is generally less than desired.

I have seen 15+ year old Sylvania STR spec power tubes, in continuous professional usage, put back into amps after an Asian or East European retube, due to poor sound, replaced OEM "6L6" types with 50's 5881's to the amazement of the customer, tested elderly GE stuff that won't die, and given away unwanted new units to receive less than "glowing" comments about them < pun more or less intended> . Tighter manufacturing tolerances were/are no doubt a significant factor in the manufacture of the old stock.

For reliability and performance, NOS 50's & 60's units are pretty much worth the extra up - front cost. They also can prove the old "warm fuzzy feeling".

Some tube gear makers have produced new from-the-ground-up designs with good performance, notably Groove Tubes Electronics. But I have also stood literally ankle deep in the bad tubes that litter the floor in certain of their labs. They buy millions of tubes and test & cull for good ones. The back door to the tolerance issue ?

Someone please relate how this scenario relates to tubes in radio equipment. I don't know the " Rest of the Story " .

Curious, Rich P. /

P.S. I'd prefer an NOS Tung-Sol any time. And settle for a good 'ol  
GE or Sylvania. And what's new at Weco, lately ?

#           #           #

From boatanchors@sco.theporch.com Wed Mar 12 09:54:10 1997  
From: Eugene Rippen <soundval@foothill.net>  
Subject: SWR's, Matches, Patches, Etc. FS  
Message-ID: <33263B6A.54A7@foothill.net>

I have a few (hee, hee) SWR meters, Power meters, and Phone Patches for sale.  
Some  
SWR meters have power out readings, too. I will describe these the best I can. I  
probably  
will not be able to describe them any further, so it won't help to ask me. SWR's  
and Power  
Meters have fixed internal couplers unless noted otherwsie. I offer these with a  
money  
back 10 day guarantee.

Unless stated otherwise they are good to very good looking. Prices do not include  
shipping  
which is extra. Most of these items will be \$4 - \$5 to ship US -48's. In fact  
maybe I can mail  
2 or 3 of the smaller ones for that price.

I will consider an offer for all of them, until tommorow (Wednesday) morning 9 AM  
PT.

I will inform those buyers of the individual items they have purchased, along with  
the  
shipping charge. I will not inform those offerers whose offer to buy was  
unsuccessful, because  
of an earlier buyer. Please do not inquire if they are "still available", such  
inquiries will not be  
answered. If you want to offer to buy, simply say it, then, I will respond, as  
soon as I can, if  
you are the successful buyer. (I will be gone from here, Friday and Saturday.) I  
will consider  
this list dead next Monday, 3/17.

Of course, I can only respond and give the shipping charge if I get the address  
and ZIP.

I hope my quick, cold approach is acceptable, considering that I'm not trying to sell

Microsoft or General Motors.

KNIGHT P-2. SWR Meter. Has external coupler \$20.00

HEATHKIT HM-15. 200w PEP. 160-6M \$25.00

JOHNSON VIKING 250-46 Phone Patch. \$17.50

JOHNSON VIKING 250-46 Phone Patch. \$17.50

SWAN PHONE PATCH (Probably a model FP-1 "Hybrid Phone Patch") \$30.00

HEATHKIT AM-2 "Reflected Power and SWR Bridge" Good looking, except

Angle prackets on both sides to enable it to be mounted under a shelf.

The result is that there are 2 small holes at the top of each side. \$25.00

HEATHKIT HD-15 HYBRID PHONE PATCH. With VU meter. \$30.00

JOHNSON VIKING Low Pass Filter 0020-001. 50 Ohm \$15.00

THORO-TEST RF-1 "RF Power Meter" 10W and 100W. 3 - 55 Mhz. \$15.00

UNKOWN BRAND SWR Meter with external coupler. \$10.00

MIDLAND 23-126 SWR Meter. Has ability for field strength meter with

YOUR sampling antenna attached. Probably for CB. \$10.00

MIDLAND 23-126 (Another one) \$10.00

OLSON CB-67 Looks just like the above Midland. \$10.00.

LYKES SWFS-2 SWR Meter. Says Heath" on meter face. Otherwise looks just

like the Midland, above. \$10.00

CONTINENTAL ELECTRONICS and SOUND, "CITIZENS TRANSICHECK"

SWR and Power Meter. 5W. \$10.00

KRIS 3302003 "Match-Maker" Very small matching device, 2 controls. For

CB. \$5.00

E.F. JOHNSON 250-49 CB-MATCHBOX. 2 controls. \$15.00

E.F. JOHNSON 250-49 CB-MATCHBOX 2 controls. \$15.00

Eugene Rippen, 105 Donnington, Auburn, CA 95603. Please use Email.

Please do not phone.

From boatanchors@sco.theporch.com Wed Mar 12 09:54:10 1997

From: Eugene Rippen <soundval@foothill.net>

Subject: SWR, Patches, Matches, etc FS

Message-ID: <33263822.64CE@foothill.net>

I have a few (hee, hee) SWR meters, Power meters, and Phone Patches for sale. Some SWR meters

have power out readings, too. I will describe these the best I can. I probably will not be able to describe

them any further, so it won't help to ask me. SWRs and Power Meters have fixed internal couplers unless

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E.F. JOHNSON 250-49 CB-MATCHBOX 2 controls. \$15.00

Eugene Rippen, 105 Donnington, Auburn, CA 95603. Please use Email.  
Please do not phone.

From boatanchors@sco.theporch.com Wed Mar 12 09:54:10 1997  
From: w8kj@juno.com (Dewey K Jones)  
Subject: SX 111 manual  
Message-ID: <19970312.114830.5063.0.W8KJ@juno.com>

Hi Gang  
Aquired a nice hallicrafters SX 111 over the weekend.  
Have spent most of my time cleaning it up.  
Sure has plenty of knobs...(notch, bandwidth, etc.)  
It did not come with a manual. Does anyone have one  
or a copy that is available? Will gladly pay expense.  
The manual will sure make this'"find" complete.  
Glad to be part of this great group.  
Kevin W8KJ@juno.com

From boatanchors@sco.theporch.com Wed Mar 12 09:54:10 1997  
From: Surplus Al <surplsal@tl.infi.net>  
Subject: Thanks  
Message-ID: <3326889A.33E5@tl.infi.net>

I want to thank the many who responded to my question abt xtal sets.  
I down loaded all the info and am passing it on to the would be  
young-Ham. Also a note, Due to power shortage I lost all my Email. Any  
one who sent me a request for information please re-send. Sorry. Also  
have another question? Would a small QRP rig work on Ham Bands? Maybe I  
could recommend this to the would be Ham. He told me he wants to start  
at the bottom and really learn about Ham Radio. 73,S AL  
[Http://www.cqws.com/zone1/surplus](http://www.cqws.com/zone1/surplus)

From boatanchors@sco.theporch.com Wed Mar 12 09:54:10 1997  
From: BRICKEY\_PETER@tandem.com  
Subject: Tube needed  
Message-ID: <199703111933.AA19257@POST.TANDEM.COM>

Hi;

I picked up a Stromberg Carlson model SR-406 Hi-Fi receiver last  
weekend at the Foothill swap meet. Its a pretty neat piece of gear

uses a pair of 6L6s in the output stage. However, it does use a EM85 (6DG7) tube as a tuning indicator and it is flat, no display at all. As a matter of fact, I don't know what it is supposed to show, I just assume that it is some sort of 'magic' eye tube. So does anyone have a NOS EM85 or 6DG7 that they would be willing to sell?

73's Peter

From boatanchors@sco.theporch.com Wed Mar 12 09:54:10 1997  
From: Nick England <nick@cs.unc.edu>  
Subject: wanted-Heath manual  
Message-ID: <199703121449.JAA02488@altair.cs.unc.edu>

I need a copy of the manual for a Heath IG-5237 Stereo FM Generator  
- will trade a copy of Heath, Knight, Johnson ham manual, or cash.  
Many thanks & 73,  
Nick KD4CPL

-----  
Nick England KD4CPL nick@cs.unc.edu Univ. Of North Carolina  
<http://www.cs.unc.edu/~nick> Chapel Hill NC

From boatanchors@sco.theporch.com Tue Mar 11 20:58:02 1997  
From: Jeffrey Herman <jeffreyh@hawaii.edu>  
Subject: WANTED: old tube RF linear amps  
Message-ID: <97Mar11.142600hwt.189020(6)@uhunix5.its.Hawaii.Edu>

Here's a request from Svetlana Tubes - Please don't reply to me!  
Their address is below.  
Jeff KH2PZ

-----  
>From svetengr@aol.com

We need one or more old linear amps for use in developing  
modifications using our power tubes.

Preferred would be popular linears of recent or post-1950 manufacture.  
They must use tube types 8874, 8875, 8877, 3CX800A or large American  
sweep tubes like 6JS6, 6LQ6, 6LF6 etc.  
Our budget is not huge, so donations would be greatly appreciated (we  
could  
swap for some tubes), or we can pay a nominal amount, say \$50 plus  
shipping.

Corpses are OK, so long as they are repairable--we have plate and filament transformers. The schematic would be a big help if it is available.

The amps will be modified to accept our types, then articles for QST or CQ will be written about the process--the amps will then be sold or donated. Please help us out--don't trash that old linear!

Eric Barbour  
svetengr@aol.com  
Svetlana Electron Devices  
-----

Remember, reply to Eric, not me!

From boatanchors@sco.theporch.com Tue Mar 11 20:58:02 1997  
From: Tom Norris <badger@telalink.net>  
Subject: WANTED: old tube RF linear amps (fwd)  
Message-ID: <3.0.1.32.19970311184741.0070b814@telalink.net>

I found this interesting tidbit on the "other" BA group ----  
Seems Svetlana actually wants input, and is willing to pay for it. Notice the wording, though on the amps being "modified to accept our types..." dunno.....

-----Forwarded-----

From: svetengr@aol.com (SVETENGR)

We need one or more old linear amps for use in developing modifications using our power tubes.

Preferred would be popular linears of recent or post-1950 manufacture. They must use tube types 8874, 8875, 8877, 3CX800A or large American sweep tubes like 6JS6, 6LQ6, 6LF6 etc.

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Eric Barbour  
Svetlana Electron Devices

From boatanchors@sco.theporch.com Tue Mar 11 20:58:02 1997  
From: tomrice@netcom.com (Tom R. Rice)  
Subject: WANTED: old tube RF: guess who?  
Message-ID: <199703120058.QAA24569@netcom11.netcom.com>

> The amps will be modified to accept our types, then articles for QST or CQ  
> will  
> be written about the process--the amps will then be sold or donated.  
> Please help us out--don't trash that old linear!  
>  
> Eric Barbour  
> Svetlana Electron Devices

That's interesting! Mr. Barbour writes a lot of  
Golden-Ear Audio articles for the Glass Audio people.

This is not a putdown; actually, I'm building right now  
one of his SET designs using type 45 tubes.

Rather a curious request.....

73 de WB6BYH

--  
"Start off every day with a smile and get it over with." --W.C.Fields  
Tom R. Rice  
tomrice@netcom.com  
CIS: 71160,1122

From boatanchors@sco.theporch.com Tue Mar 11 20:58:02 1997  
From: JONWEINER@aol.com  
Subject: WTB National S-meter  
Message-ID: <970311181357\_-1673599839@emout08.mail.aol.com>

WTB old National S-meter. Round black case, as used in '30's National  
receivers such as NC-101X. Also looking for speaker for NC-100, and HRO-60  
coils and bandstrips. Jon, K1VVC

From boatanchors@sco.theporch.com Wed Mar 12 09:54:10 1997  
From: w7fg <w7fg@w7fg.com>

Subject: WTB: Johnson Ranger Modulation Transformer  
Message-ID: <199703120526.XAA09082@cc\_ux\_00.cimcase.com>

I am looking for a Johnson Modulation transformer for my homebrew rig.  
Any out there??

Gary

```
-----  
| W7FG Vintage Manuals      |  
| 3300 Wayside Drive       |  
| Bartlesville, Oklahoma 74006 |  
|                           |  
| Telephone: 918-333-3754   |  
| Orders Only: 800-807-6146 |  
|                           |  
| HomePage:  http://www.w7fg.com |  
| E-Mail  w7fg@w7fg.com     |  
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